

OPERATOR QUALIFICATION

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TOPICS

- Covered Task
- Definitions
- Qualification Program
- Recordkeeping

COVERED TASK

- 192.801 (b) (1) – (4)
- 4-Part Test
- Must meet **ALL** parts
- Examples

COVERED TASK

- 192.801(b) (1)
- Is performed on a pipeline facility
- **Pipeline facility** - means new and existing pipelines, rights-of-way, and any equipment, facility, or building used in the transportation of gas or in the treatment of gas during the course of transportation.
- Goes well beyond just the physical pipeline

COVERED TASK

- 192.801(b) (2)
- Is an operations or maintenance task
- Operations or Maintenance task is anything you do during operating or maintaining a pipeline

COVERED TASK

- 192.801(b) (3)
- Is performed as a requirement of this part; and
- Part vs. Subpart
- Part 192
- More than Subparts L & M (Operations and Maintenance)

COVERED TASK

- 192.801 (b) (4)
- Affects the operation or integrity of the pipeline

COVERED TASK EXAMPLE

LEAK SURVEY GAS DISTRIBUTION PIPELINE

Is it performed on a pipeline facility?

Is it an operations or maintenance task?

Is it performed as a requirement of this part?

Does it affect the operation or integrity of the pipeline?



COVERED TASK EXAMPLE

MEASURING PIPE-TO-SOIL POTENTIALS

Is it performed on a pipeline facility?

Is it an operations or maintenance task?

Is it performed as a requirement of this part?

Does it affect the operation or integrity of the pipeline?



COVERED TASK EXAMPLE

METER READING

Is it performed on a pipeline facility?

Is it an operations or maintenance task?

Is it performed as a requirement of this part?

Does it affect the operation or integrity of the pipeline?



COVERED TASK EXAMPLE

PAINTING METER SET (CORROSION VERSUS AESTHETIC)

Is it performed on a pipeline facility?

Is it an operations or maintenance task?

Is it performed as a requirement of this part?

Does it affect the operation or integrity of the pipeline?



COVERED TASKS

Generic Covered Tasks

- Covered task that may include multiple options
- Different procedures
- Different tools
- Different equipment

COVERED TASKS

HOT TAPPING (MUELLER VS. T.D. WILLIAMSON)



COVERED TASKS

HOT TAPPING (MUELLER D-5 VERSUS C1-36)



COVERED TASKS

VEHICLE DRIVERS LICENSE



DEFINITIONS

- 192.803
- Abnormal Operating Condition (AOC)
- Evaluation
- Qualified

DEFINITIONS

Abnormal operating condition means a *condition* **identified by the operator** that **may** indicate a malfunction of a component or deviation from normal operations that **may**:

- (a) Indicate a condition exceeding design limits; or
- (b) Result in a hazard(s) to persons, property, or the environment.

DEFINITIONS

AOC

- Operator must determine AOCs
- Be aware and add newly identified AOCs
- AOC list should not be extremely lengthy or overly complex
- AOC list should be something a person who does the work would identify

DEFINITIONS

AOC – PROTOCOL 9

- PHMSA Checklist
- Will need to know AOCs for covered task
- #1 discovered deficiency in OQ

DEFINITIONS EVALUATION

- *Evaluation* means a process, established and documented by the operator, to determine an individual's ability to perform a covered task by any of the following:
 - (a) Written examination;
 - (b) Oral examination;
 - (c) Work performance history review;

DEFINITIONS EVALUATION

- (d) Observation during:
- (1) Performance on the job,
- (2) On the job training, or
- (3) Simulations;
- (e) Other forms of assessment.

DEFINITIONS

QUALIFIED

- *Qualified* means that an individual has been evaluated and can:
- (a) Perform assigned covered tasks; and
- (b) Recognize and react to abnormal operating conditions.

DEFINITIONS QUALIFIED

- A qualified individual performing a covered task must possess all of the following:
- Knowledge 192.805 (h)
- Skill 192.805 (h)
- Ability 192.803

DEFINITIONS

QUALIFIED - ABILITY

- Change in Ability prior to next qualification
- Example – valve inspection/broken arm
- Suspend qualifications
- Direct and observe non-qualified
 - React to AOCs
- May require a qualification to determine Ability
 - Has ability changed due to possible limitations

QUALIFICATION PROGRAM

- 192.805
- Each operator shall have and follow a written qualification program. The program shall include **provisions to:**

QUALIFICATION PROGRAM

- **Provisions to**
- (a) Identify covered tasks;

QUALIFICATION PROGRAM

- **Provisions to**
- (b) Ensure through evaluation that individuals performing covered tasks are qualified;

QUALIFICATION PROGRAM

- **Provisions to**
- (c) Allow individuals that are not qualified pursuant to this subpart to perform a covered task if directed and observed by an individual that is qualified;

QUALIFICATION PROGRAM

- **Provisions to**
- (d) Evaluate an individual if the operator has reason to believe that the individual's performance of a covered task contributed to an incident as defined in Part 191;

QUALIFICATION PROGRAM

- **Provisions to**
- (e) Evaluate an individual if the operator has reason to believe that the individual is no longer qualified to perform a covered task;

QUALIFICATION PROGRAM

- **Provisions to**
- (f) Communicate changes that affect covered tasks to individuals performing those covered tasks;

QUALIFICATION PROGRAM

- **Provisions to**
- (g) Identify those covered tasks and the intervals at which evaluation of the individual's qualifications is needed;

QUALIFICATION PROGRAM

- **Provisions to**
- (h) After December 16, 2004, provide training, as appropriate, to ensure that individuals performing covered tasks have the necessary knowledge and skills to perform the tasks in a manner that ensures the safe operation of pipeline facilities; and

QUALIFICATION PROGRAM TRAINING

- When is training necessary?
- New hire
- New equipment
- New procedure
- Failed an evaluation
- Disqualified

QUALIFICATION PROGRAM

- **Provisions to**
- (i) After December 16, 2004, notify the Administrator or a state agency participating under 49 U.S.C. Chapter 601 if the operator significantly modifies the program...

RECORDKEEPING

- 192.807
- Each operator shall maintain records that demonstrate compliance with this subpart.

RECORDKEEPING

- (a) Qualification records shall include:
 - (1) Identification of qualified individual(s);
 - (2) Identification of the covered tasks the individual is qualified to perform;
 - (3) Date(s) of current qualification; and
 - (4) Qualification method(s).

RECORDKEEPING

- (b) Records supporting an individual's current qualification shall be maintained while the individual is performing the covered task. Records of prior qualification and records of individuals no longer performing covered tasks shall be retained for a period of **five years**.

REVIEW

- To be considered a covered task, how many parts of the 4-part test must be met?
- A) 1
- B) 2
- C) 3
- D) 4
- D – All 4 parts must be met

REVIEW

- An individual does not have to be qualified to paint a meter set for aesthetic reasons.
- True or False
- True – ONLY for aesthetic reasons. If atmospheric corrosion is on the pipeline then a qualified person has to complete the task.

REVIEW

- A pipeline facility is defined as relating only to the physical pipe.
- True or false
- False
- means new and existing pipelines, rights-of-way, and any equipment, facility, or building used in the transportation of gas or in the treatment of gas during the course of transportation.

REVIEW

- What is the #1 deficiency discovered in any OQ program?
- The identification of Abnormal Operating Conditions

REVIEW

- Is an individual that is not qualified to leak survey allowed to leak survey with a qualified individual?
- Yes – as long as the qualified individual is directing and observing the non-qualified individual

REVIEW

- How long are qualification records required to be maintained after the individual is no longer performing covered tasks?
- A) 1 year
- B) 3 years
- C) 5 years
- D) Forever
- C – 5 years